Sales Guide

CAMM-1

GR-640 ∕ GR-540 ∕ GR-420

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Product Overview

Dual-Position Tool Holder

Powered Pinch Rollers

Redesigned Tool Carriage

Handles

LED Status Light

Media Basket Included

Perf/Cut Groove

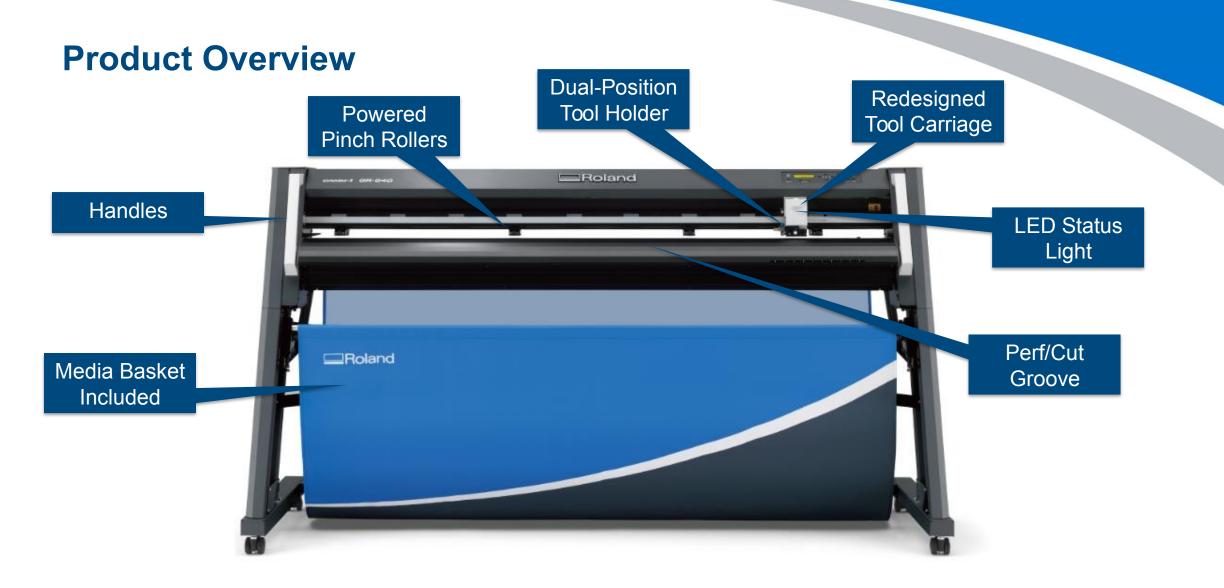Imagine. Roland

Key Features and Benefits

- Down force: 20 to 600 gf
- Maximum speed: 58.5 in/sec (1,485 mm/sec) in 45°direction
- Maximum roll weight: 88.5 lbs. (40 kg)
- Extended mode supports an additional .79 in (20 mm) in width
- Standard cutting + 10 times overlap
- Overcut mode (tangential emulation) of .04 in (1 mm)
- Dual position tool carriage
- Perforated cutting groove
- Ethernet and USB 2.0 interface
- Powered 10-step variable pressure pinch rollers
- Bundled with CutStudio v3.0
- Three-Year Trouble-Free Warranty*

*Requires product registration. Valid in Canada, US, and Latin America regions only.

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Reasons to Buy

1 Heavy-Duty Construction

2 Best-in-Class Speed & Precision

3 Wide Range of Applications

4 Roland CutStudio™ v3.0

5 Competitively Positioned

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1 Heavy-Duty Construction

- Rigid L-Shaped Profile

- Diagonal Stand Supports

- Rugged Servo-Controlled Drive System

- Enhanced Carriage Rail Stability

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1 Heavy Duty Construction

- Redesigned Tool Carriage

- Dual-Position Tool Holder for efficient perf/cut

- Up to 600 gf of down force cuts more materials

- Encoder-controlled precision tool height

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2 Best-in-Class Speed & Precision

- More productivity with 58.5 in/s (1,485 mm/s) maximum speed

- Motor-driven pinch roller system make loading easy

- 10-step variable pressure pinch rollers prevents material damage

- Best material tracking of any CAMM-1 to support long runs

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Applications

Sign Making

Sign Vinyl

Sandblast Stencils

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Print/Cut & Perf/Cut for Inkjet

Vinyl Decals

Floor Graphics

Fleet Advertising

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Applications

Automotive Restyling

Fleet Graphics

Window Tint &

Paint Protection

Custom Restyling

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Custom Apparel

Heat Transfer

Inkjet Print/Cut

Rhinestone

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3 Applications

Reflective Film

Refractive

High-Intensity Prismatic

Diamond-Grade Prismatic

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Suggested Application Parameters

Material	Blade	Cutting Force	Cutting Speed	Offset	Pinch Force
Common Adhesive Vinyl	ZEC-U5032	30 - 100 gf	≦ 30 cm/s	0.25 mm	2 - 6
Fluorescent	ZEC-U5025	120 - 200 gf	≦ 10 cm/s	0.25 mm	4 - 8
Window Tint	ZEC-U5010	80 - 120 gf	≦ 30 cm/s	0.50 mm	1 - 6
Sandblast Mask	ZEC-U1715	100 - 500gf	≦ 5cm/s	0.25 mm	7-10
Reflective	ZEC-U3075	350 - 450 gf	≦ 5cm/s	0.75 mm	7-10
Magnetic Sheet *	ZEC-U3075	450 - 600 gf	1cm/s	0.75 mm	7-10

*Cutting magnetic materials exclusively may cause premature failure due to stress on the grit rollers.

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4 Roland CutStudio™ v3.0

- Additional auxiliary weed lines

- Docked panel for object properties

- Perforated cutting support

- Contour cut sorting

- Improved object transformation

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Roland CutStudio™ v3.0

OS Compatibility

Software	Operating System	Application
Roland On Support	Windows®*7/8/8.1/10 (32/64-bit)	-
Roland CutStudio	Windows®*7/8/8.1/10 (32/64-bit)	-
Roland CutStudio Plug-In for Adobe Illustrator®	Windows®*, MAC OS	Adobe® Illustrator, CC (2014), CC (2015), CC (2017)
Roland CutStudio Plug-in for CorelDRAW®	Windows®*	CorelDRAW® X6/X7/X8

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Accessories

- New XD-CH4 blade holders

- New ZEC-U5010 window tint blade

- Media catch basket included

- Integrated accessory tray

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Accessories

New Accessory Pricing

Part Number	Description	Retail Price
XD-CH4-BL	Blade Holder, Adjustable Tip, Alloy, Blue	$89.99
XD-CH4-OR	Blade Holder, Adjustable Tip, Alloy, Orange	$89.99
XD-CH4-RD	Blade Holder, Adjustable Tip, Alloy, Red	$89.99
ZEC-U5010	55°/.5 Offset Blade, 2 ea. - Window Tint	$69.99

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Specifications

	GR-640	GR-540	GR-420
Mechanism / Driving method	Media-movement method / Digital control servo motor		
Acceptable media widths	Max. 70 in. (1,802 mm)	Max. 60 in (1,548 mm)	Max. 48 in (1,224 mm)
Maximum cutting area	Width: 65 in. (1,651 mm) Length: 984 in. (25 m)	Width: 55 in. (1,397 mm) Length: 984 in. (25 m)	Width: 42 in. (1,075 mm) Length: 984 in. (25 m)
Maximum cutting speed	1,485 mm/s (High speed mode - 45° direction)		
Cutting speed / Cutting force	10 - 1,050 mm/s (in increments of 10 mm/s) / 20 - 600 gf (in increments of 10 gf)		
Mechanical resolution	0.005 mm/step		
Software resolution	0.025 mm/step		
Distance accuracy	Error of no more than +/-0.2% of distance traveled, or 0.1 mm (0.00394 In,), whichever is greater		
Repetition accuracy *1 *2	0.1 mm or less		
Interface	Ethernet 10BASE-T / 100BASE-TX (auto-negotiation), USB 2.0 (full speed)		
Buffer size	8MB (2MB for re-plot buffer)		
Power supply / Consumption	AC 100 - 240 V 50/60 Hz 0.7 A / Approx. 70 W		
During operation	67 dB (A) or less (according to 1507779)		
During standby	43 dB (A) or less (according to 1507779)		
Dimensions with stand	85.2 in. (W) x 29.1 in. (D) x 46.8 in. (H) 2,165 mm (W) x 740 mm (D) x 1,190 mm (H)	75.2 in. (W) x 29.1 in. (D) x 46.8 in. (H) 1,910 mm (W) x 740 mm (D) x 1,190 mm (H)	65.0 in. (W) x 29.1 in. (D) x 46.8 in. (H) 1,650 mm (W) x 740 mm (D) x 1,190 mm (H)
Weight with stand	206.1 lb. (93.5 kg)	191.8 lbs. (87 kg)	172.0 lbs. (78 kg)
Packaging dimensions	90.5 in. (W) x 22.2 in. (D) x 30.3 in. (H) 2,300 mm (W) x 565 mm (D) x 770 mm (H)	80.7 in. (W) x 22.2 in. (D) x 30.3 in. (H) 2,050 mm (W) x 565 mm (D) x 770 mm (H)	68.5 in. (W) x 22.2 in. (D) x 30.3 in. (H) 1,740 mm (W) x 565 mm (D) x 770 mm (H)
Packaging weight	282 lbs. (128 kg)	260 lbs. (118 kg)	238 lbs. (108 kg)
Operating environment	Temperature: 5 lo 40 °c (41 to 104 °F), Humidity: 35 to 80 % (no condensation)		
Included items	Power cord, electrical plug adopter, blade (ZEC-U5032, 1pc), blade holder (XD-CH4-BL), cable clamp, replacement blades for separating knife, installation guide, USB cable (2 m), alignment tool, Roland DG software (to download), user's manual (to download)		

*1: Only applicable under certain internal test conditions with the usage of specific vinyl sheet and cut settings.

*2: Excluding stretching/contraction of the material.

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Service & Support

Three-Year Trouble-Free Warranty*

*Requires product registration, only valid in US, Canada and Latin America regions.

Roland Care Premium

- Two years extended warranty
- Factory authorized service and repair
- Free technical phone and e-mail support during contract period

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Thank you.

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